## ABSTRACT OF THE DISCLOSURE

method and The invention relates to a а system receiving an ultra-wideband signal with a self-adapting number of propagation paths. According to the invention, the transmitted signal comprises, over a symbol time Ts, a, series of direct successive modulated pulses (IDij0) which; propagate along a direct propagation path and secondary pulses (IDijk, k>0) which are associated with each direct and which each propagate along secondary propagation path. consists The inventive method receiving (A) the series of direct and secondary pulses on circuit; creating the same receiver (B) composite correlation pattern  $\{MCCijk\}$  k = N, k = 0, comprising a series of elementary patterns which are time-shifted in relation to а first elementary correlation pattern; the value of the global correlation calculating (C) direct pulse which coefficient (GCC) between each associated with the plurality of secondary pulses and the composite correlation pattern, in order to obtain a global correlation value of the symbol, sum of the correlation coefficients of of each the direct and secondary pulses. The invention is suitable for use for UWB radio links for professional or domestic appliances.

dic.

i) Si il.s